

CHEROKEY

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Introduction:

Created a language learning mobile app for Cherokee

- App is compatible with both Android and iOS
- Game
 - Tells traditional stories from Cherokee culture
 - Each set of levels tells a different story
 - Two types of game modes
 - Matching
 - Question-answer
- Flashcard
 - Traditional flashcard feature allows users to study specific words/phrases
 - Users can choose from pre-made sets or create their own
 - Flashcards can be randomized by category

Methods:

Flutter

Cloud Firestore

- Stores stories, questions, and answers

SQLite

- Stores flashcard data locally on device

Purpose:

- Cherokee is an endangered language
- Only 12,000 native speakers out of 300,000 tribal speakers
- Cherokee ties deeply with historical and cultural values. Facing extinction means a large part of Native American culture and history will be lost
- Popular language learning tools tend to overlook Cherokee and its many dialects.
- However, Cherokee language keyboards are readily available.
- Our project aims to provide a fun and engaging way to practice conversational Cherokee.

